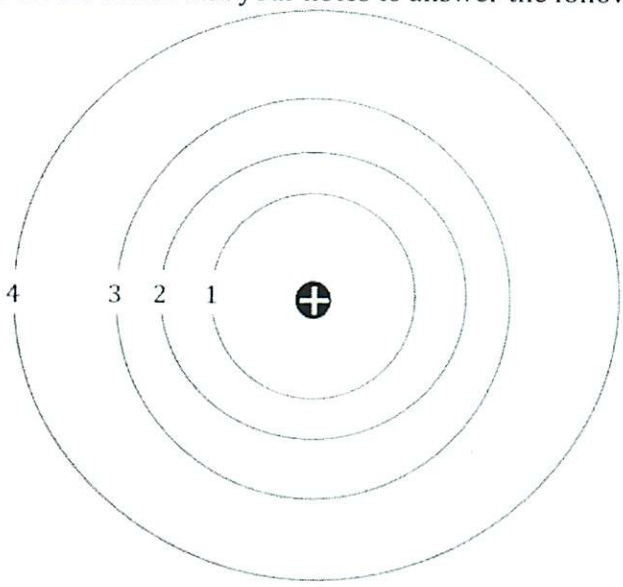
Name_____

AE Chemistry
Bohr's Hydrogen Atom

Use the diagram of Bohr's model below and your notes to answer the following questions.



1. Which level is the ground state? _____
2. Which level has the most energy? _____
3. The energy levels were also called _____
4. What must happen for the electron to jump from level one to level 3?

5. When the electron is in this higher energy level it is in a(n) _____ state.
6. When the electron is at the higher energy level what happens to it and why?

7. How does this model explain the Bright Line Spectrum?

8. Why was Bohr's Hydrogen Atom Model wrong?

9. Compare the energy released when an electron falls from the 4th level to the 1st compared to energy released when it falls from the 3rd to the 1st.